Charter DVR® with Moxi Enhancements for the new 4.1 Software.

Important information about an upgrade to your Charter DVR® with Moxi:

Charter DVR® with Moxi now provides you with enhanced features and functionality. Use this supplement to learn about superior parental controls, a DVR storage meter, and many other improvements.

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Popular New Features

Time Forward and Change Time Slot

Change Time Slot moves the whole program guide forward and back through two weeks of programming.

Use Time Forward and Change Time Slot from all Moxi Menu filters to compare programming on all channels at a certain time.

For Time Forward, the remote buttons act on schedule for all channels.

- **Next** – moves 1/2 hour ahead
- **Back** – moves 1/2 hour back (if at future time)
- **Skip** – moves 24 hours ahead
- **Replay** – moves 24 hours back (if at future time)
- **Moxi** – returns to current time
- **Moxi** – returns to current time

For Change Time Slot, go to the Change Time Slot card after the last channel. Select the desired time from the panel.

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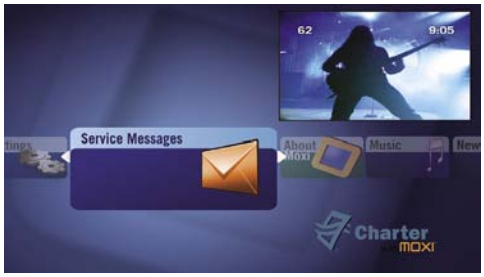
Service Messages

Service providers may create and schedule short messages for display on the Moxi Menu. The messages contain service-related information, such as new feature availability, downtime, support-related information and promotions.



When a new service message is viewable, the green message light on the front of the media center illuminates and a small message icon appears in the lower left corner of the TV screen, as shown below:

NOTE: The list and icon remain on until the message is deleted or marked as read using the Service Messages action menu in Moxi Menu.

When the Service Message card is in center focus, the published message titles display on the vertical axis and some of the text displays on the Info paddle. Pressing **OK** or **Info** displays the full message and an action menu.

The action menu for a message includes the following options:

- **Delete**
- **Mark as read**
- **Mark as unread**

External Hard Drive

If authorized, an external hard drive may be connected to the media center to gain additional storage space for recorded programs.

- The external hard drive is used only to store recordings – not for photos or music.
- The external hard drive must be dedicated for use with one specific media center only.
- Using the drive with other media centers, or storing other data will result in the loss of all programs previously stored on the external hard drive.

Note: If a media center must be replaced, all content stored on the external hard drive previously connected to that media center is lost.

External hard drives must meet these minimum specifications: 8MB cache, 7200 rpm, USB 2.0

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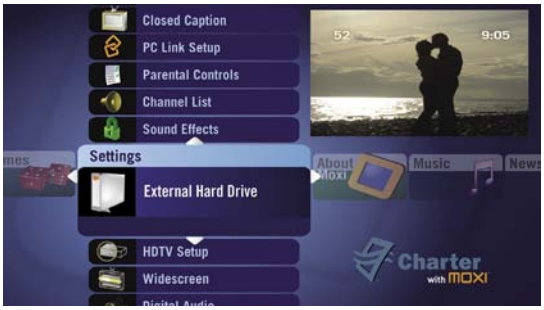
External Hard Drive (continued)

The External Hard Drive card in the Settings category displays a note depending on whether a drive is detected and needs formatting, or no drive is detected.



When a drive is detected but needs formatting, the following note appears:
"An external hard drive was connected and requires formatting. To format the drive and use it to expand your recording capacity, select Format. Otherwise, select Close. Formatting the drive takes up to 5 minutes and erases all data on the drive."

When no drive is connected, the following note appears:
"To use the External Hard Drive feature, please connect a hard drive meeting these minimum specifications:

Connection: USB 2.0
Speed: 7,200 RPM
Buffer: 8MB"

To connect the hard drive directly to the media center (USB hubs are not supported):

1. Connect the hard drive to a USB 2.0 port on the rear of the media center.
2. Wait for the media center to recognize the external hard drive.
   - When a hard drive is plugged into the media center for the first time, or if the drive is not properly formatted, you will be prompted to format the drive – which will delete all existing data on the drive. Select **Reformat** and then confirm the choice.
   - Once the drive is recognized by the media center as properly formatted and available for use, the media center scheduler recognizes the additional space.

To disconnect a hard drive:

1. Stop all recordings and playback.
2. Access the External Hard Drive card in the **Settings** category on the Moxi Menu and press **OK**.
3. Select **Disconnect** and press **OK**.
   - Be sure to follow the directions on the note. **DO NOT** physically disconnect the drive if the note advises that the drive is in use and cannot be disconnected.
   - **NOTE:** If an external drive is disconnected while it is in use, recordings stored on it may become corrupt.

Moxi Menu Enhancements

See All Times

The See All Times option is available on all shows that appear in the Moxi Menu (except Video On Demand). It is not available from the Flip Bar.

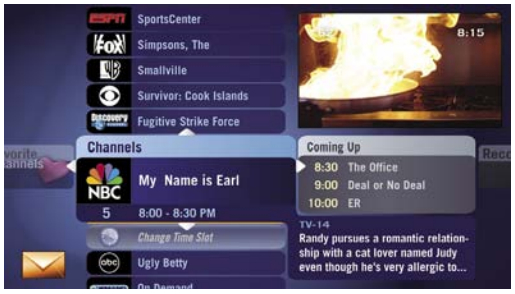
See All Times allows the viewer to see all instances of a given show regardless of time or channel. For movies and other single shows, See All Times displays all showings of that particular show. For a series, See All Times displays all upcoming episodes of the series.

All recorded programs now appear in the appropriate Moxi Menu filters (when the guide is in current time).

Coming Up (new name for "On Next")

Coming Up is the new name for the On Next card. Use Coming Up in all filters.

As usual, surf one item at a time using the **up/down** arrows or use the **page (ch+/-)** buttons to move three programs at a time.



Clear Button and Favorites

Use the **Clear** button to remove channels from Favorites.

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Info Paddle

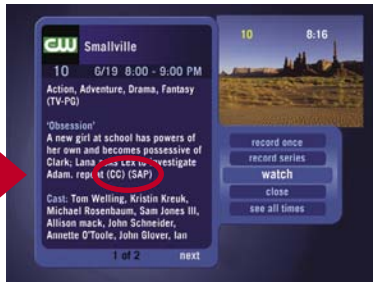
Info Paddle

The Info Paddle has more information, if available. For example: star rating, price, TV/Movie rating, Repeat, year.

Info Note

The Info Note now includes full title for long titles, closed captioning and secondary audio information.

Info Note



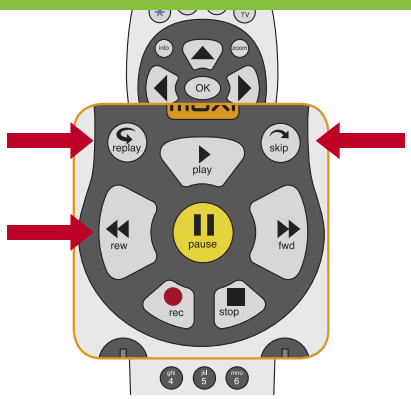
DVR Enhancements

To display forward play in slow motion, press **Pause** and then **Fwd** on the Moxi remote. Press any other transport key to exit Slow Motion and activate that mode.

Dismissal of the Keep/Delete Note

The viewer may now dismiss the Keep/Delete note that appears at the end of a recorded show by rewinding. Previously it was not possible to dismiss the dialog and stay in the show once the note appeared.

Pressing **Rew** or **Replay** dismisses the note and the action is executed.



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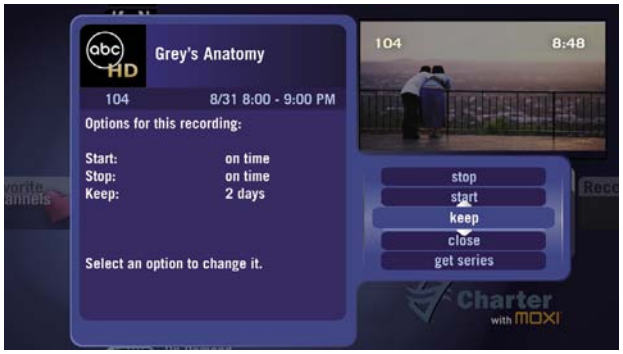
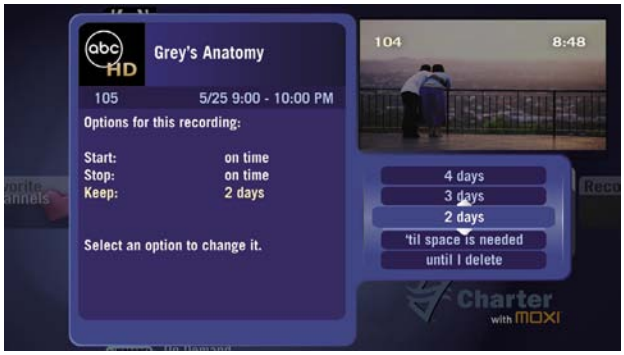
Recording Options

The Recording Options button is now only available on individual or series programs that are recorded or scheduled to record. Now after setting a recording through Record Once or Record Series, press **OK** and select **Recording Options** to modify the selected individual recording. Further, if available, select **Series Options** to modify the series recordings.

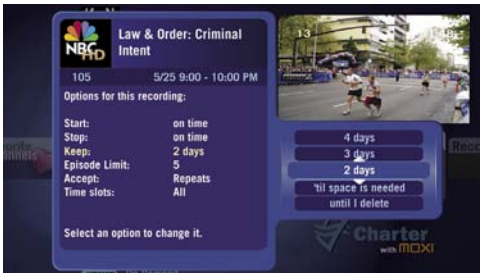
Recording options for single programs and series can still be modified in Scheduled to Record and Series Options card in Find & Record respectively.

Recording options for single shows and series display in a new format. When selecting Recording Options for a scheduled program, the dialog below appears. The first screen capture below shows the first menu level. Selecting one of the options displays the second menu level shown. An example of the second menu level for the Keep option is shown in the second screen capture. Notice that the new note format displays all the current recording settings on the left with the action menu on the right. Making changes here modify the recording options for the currently selected individual program.





Select the **Series Options** button to modify the series recording options for the selected series. A screen shot is shown to the right. This same dialog will appear when selecting **Recording Options** from a series in **Series Options**.



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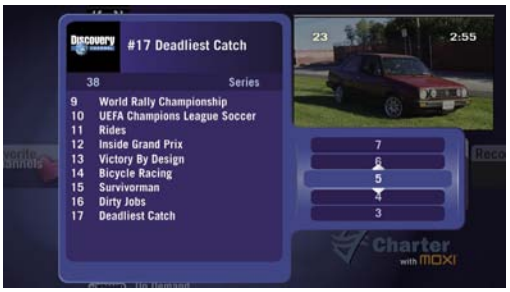
New Priority Widget for Series Recordings

The new Priority Widget opens to the page where the currently selected series is displayed and highlighted. The action menu indicates the current priority number of the series. Use the **back/next** buttons to see the whole list of prioritized series. Scroll up or down to highlight the desired new priority number. Press **OK** to set the new priority.

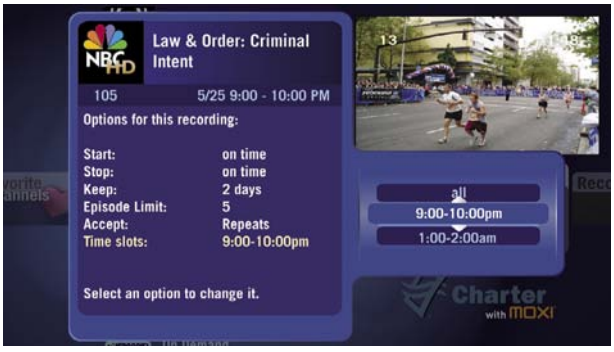


Episode Limit Definitions/Clarifications

- If an episode is scheduled and recorded as part of a series recording request, that episode is part of the episode limit.
- If an individual episode is recorded manually using Record Once, the episode is considered an individual recording, and not part of the series episode limit.
- An episode of a series scheduled for recording that is stopped while it is being recorded, and then selected and scheduled again using Record Once, is considered an individual recording and not part of the episode limit.

Timeslots Options for Series Recordings

The Timeslots option allows the user to select to record episodes at a specific time of day. Select **Timeslots**: from the **Series Options** menu to display the Timeslots action menu with all times that the series is broadcast listed in chronological order.



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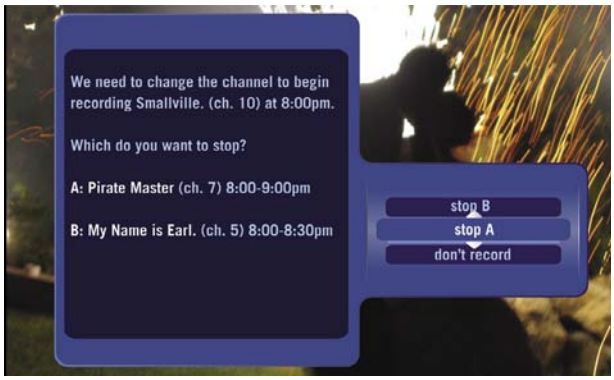
New Priority Widget for Series Recordings

For the BMC9022 & Moxi Mate, a new recording starting dialog has been added for the viewer when a recording is about to start. If one tuner is recording, on PPV or on VOD, and a recording is about to start, the user is given the option to choose which show to interrupt or to cancel the new recording. If no selection is made, the default action will be performed. Previously, the viewer was told a recording was about to start and was only given the option to record or not record.


We need to change the channel to begin recording Smallville. (ch. 10) at 8:00pm.
Which do you want to stop?
A: Pirate Master (ch. 7) 8:00-9:00pm
B: My Name is Earl. (ch. 5) 8:00-8:30pm
stop B
stop A
don't record

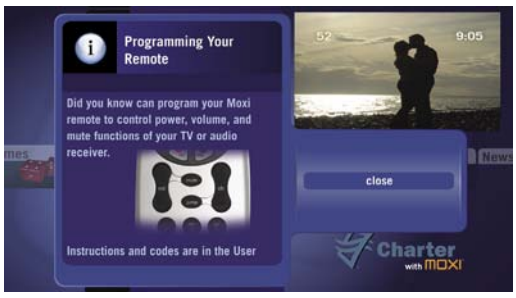
About Moxi Enhancements

Storage & Stats

The new Storage & Stats card in About Moxi provides basic box and diagnostic information:

- Recorded TV storage used, including a storage meter
- Box ID (MAC)
- SW version
- Last EPG update
- Last Account Settings update
- Last Entitlements update

New Tips


Programming Your Remote
Did you know can program your Moxi remote to control power, volume, and mute functions of your TV or audio receiver.
Instructions and codes are in the User
52
9:05
close
Charter
with moxi

The following new Tips have been added:

- New Tip on Programming the Moxi Remote.

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New Tips (continued)

New Tips on Remote Shortcuts:

- To see future programming
- To enter text in the **Find By** tool
- To control live TV

Remote Shortcuts
Lost? Press the , , or buttons.
To see TV listings for the next half hour, press . Press skip to jump ahead 24 hours.
Want more details on a show? Press .
To start playing an item selected in the menu press Play .
close
Charter with MOXI

New Tip to Use Change Time Slot feature:

Change Time Slot
Want to see what's on at 8 tonite? Simply bring the change time slot card into focus, and select a time slot.
close
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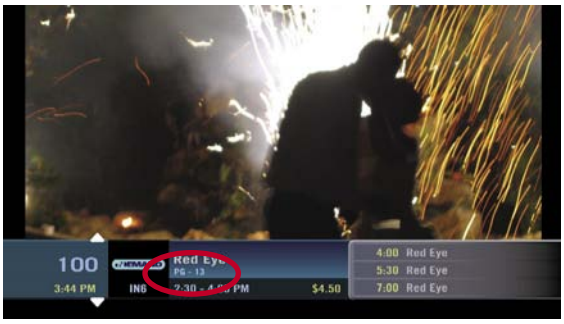
Flip Bar Enhancements

Flip Bar

TV and Movie rating information now displays on the Flip Bar.



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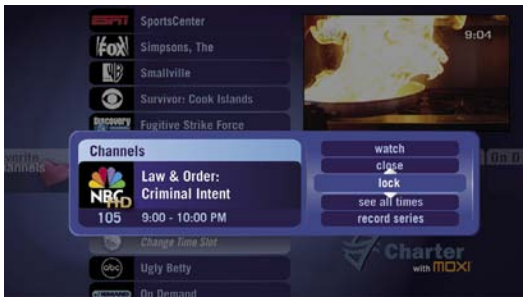
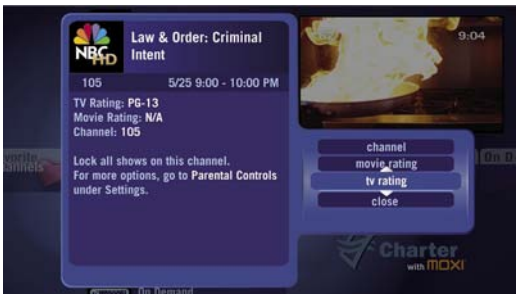
Parental Controls Enhancements

Locks

The Lock option has been added to the action menu of all TV listings. Choosing **Lock** displays the **Set Locks** note and action menu to choose to lock the channel, or all shows with this TV or movie rating. This can also be used to activate parental controls without going to the Parental Controls card in Settings.



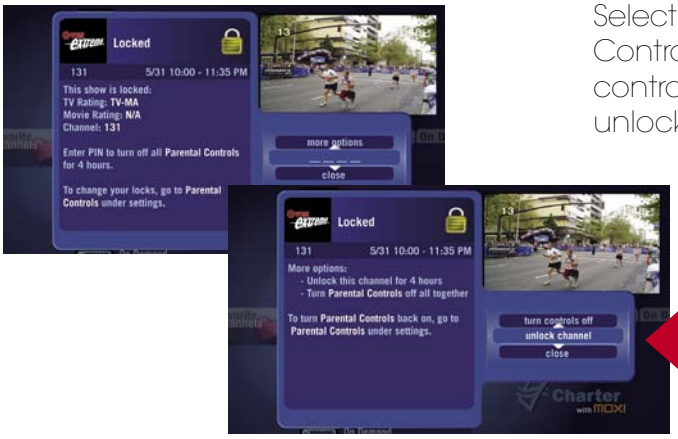


Auto Relock

The automatic relock time for Parental Controls is now configurable. Previously it was fixed at 4 hours. Set Auto-Relock duration using the **Set Relock Timer** card in the Parental Controls secondary menu.

When you unlock a show, you open a temporary viewing window. Parental Controls will relock automatically after this time.
Set Re-lock timer
4 hours
To change length of time Parental Controls is unlocked, press OK.
Set Un-lock Timer
When you unlock a show, you open a temporary viewing window. Parental Controls are temporarily suspeded for this time.
Choose the amount of time to suspend Parental Controls when unlocking a show.
After the chosen length of time, Parental Controls will re-lock automatically.
close
6 hours
4 hours
2 hours
1 hour

Selective Parental Controls Unlock


Locked
131
5/31 10:00 - 11:35 PM
This show is locked:
TV Rating: TV-MA
Movie Rating: N/A
Channel: 131
Enter PIN to turn off all Parental Controls for 4 hours.
To change your locks, go to Parental Controls under settings.
more options
close
Locked
131
5/31 10:00 - 11:35 PM
More options:
- Unlock this channel for 4 hours
- Turn Parental Controls off all together
To turn Parental Controls back on, go to Parental Controls under settings.
turn controls off
unlock channel
close
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Selecting a blocked show displays a Parental Controls note. Enter a PIN to turn off ALL parental controls. Alternately, select **More Options** to choose to unlock parental controls for that channel only.

In this case, the show is blocked because the channel is locked. The options are to unlock the channel or to turn controls off.

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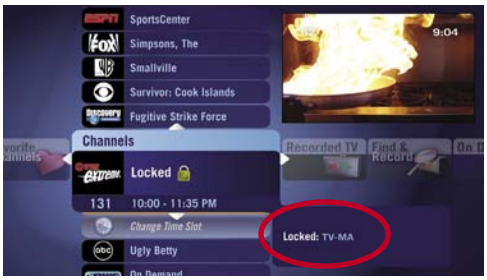
TV Rating

When available, a TV rating will have priority to determine locking of a show.

- Now, if a show carries both a TV rating and an MPAA rating, and Parental Controls has a TV rating lock set, Moxi will use the TV rating to determine whether it should be locked. The MPAA rating will be ignored.
- Previously, an MPAA rating could result in a show being locked, even though it had been edited to a lower rating for TV.

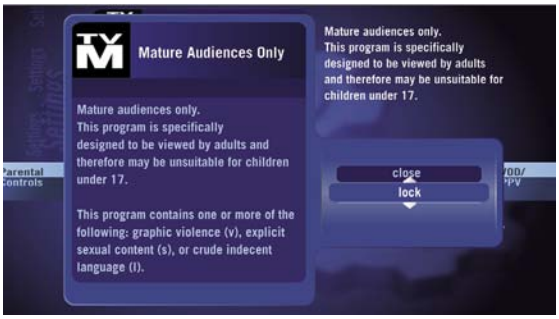
Blocked Titles Explanations



The Blocked Title explanation will display on the Info Paddle. The Parental Controls setting which caused the lock will display.

TV and Movie Rating Explanations

Explanations of all TV and movie ratings are included on the Info note when selecting to lock by ratings in **Parental Controls**.


TV M
Mature Audiences Only
Mature audiences only.
This program is specifically designed to be viewed by adults and therefore may be unsuitable for children under 17.
This program contains one or more of the following: graphic violence (v), explicit sexual content (s), or crude indecent language (l).
Mature audiences only.
This program is specifically designed to be viewed by adults and therefore may be unsuitable for children under 17.
close
lock

Parental Controls Ratings on DVD

Parental control ratings on a DVD are supported in Moxi **Parental Controls**. DVDs that support DVD based parental controls can be unlocked without unlocking all other content. The lock status is not affected by actual ratings, only by the Parental Controls status being on or off. Previously, the DVD was locked if Parental Controls were on and unlocking the DVD would unlock all content. This is still true for DVDs that do not support DVD based parental controls.

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Photo Enhancements

Photo Flip Bar

The Photos Flip Bar now includes a picture thumbnail, the photo name, and album creation date. While a slideshow is playing, you can scroll through the pictures on the Flip Bar using the arrow keys.

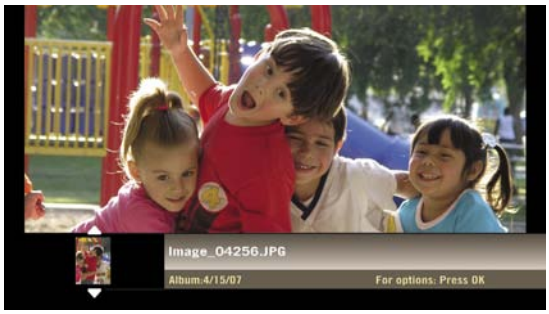
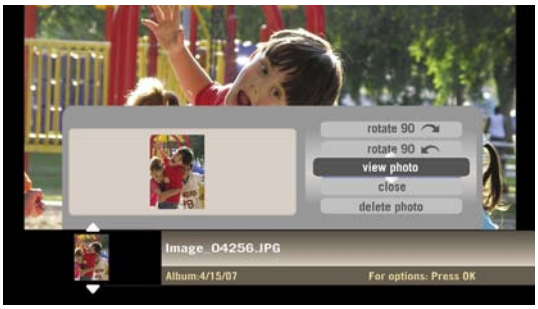


Photo Flip Bar Action Menu Editing Options



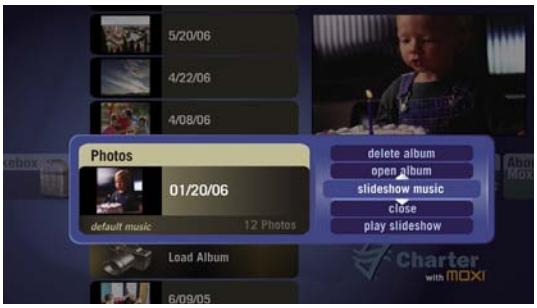
The Photos Flip Bar action menu displays basic photo editing options.

Photo Notes

- Supported picture formats: JPEG
- Photos can be loaded by USB drive, multi-format USB readers, or direct camera connection by USB.

Jukebox Playlist

If Jukebox is available, the album action menu includes the slideshow music option. The slideshow music option displays available playlists. When a playlist is selected, the music plays randomly during the slideshow.



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Jukebox Enhancements

Creating a Queue

A Queue may be created from available tracks and then selected to play. The Queue can also be saved as a permanent playlist by selecting **Save** and then using the onscreen keyboard to name and Save the playlist.

1. Navigate to the album, artist, or song, and press **OK**
2. Choose **add to the queue** from the Action Menu
3. Once you add all the songs you want, go to the Queue card and press **OK**
4. Choose one of the following actions:

- **Save** – brings up the on screen text entry keyboard to save the Queue and name it as a playlist
- **Clear** – brings up the Clean Queue Confirmation, which clears the Queue's current contents
- **Play** – plays the Queue in the order that tracks were added, starting with the first track
- **Shuffle Play** – plays the Queue in random order
- **Stop** - stops the track

A playlist can be used to associate with individual photo slide shows.

Jukebox Notes

- Supported audio formats: Unprotected MP3.
- Music can be loaded (ripped) by CD.
- Music can not be loaded by USB.

SuperTicker™ Enhancements

SuperTicker™

SuperTicker™ is the new name for the ticker function on the Moxi Menu.

- When SuperTicker is up, the channel can now be changed using the **ch +/-** buttons or by directly entering channel numbers. Now, SuperTicker is temporarily replaced by the Flip Bar. While the Flip Bar is up, it is fully functional. When the Flip Bar times-out, or is cleared, SuperTicker reappears.

- In Weather Forecast, all three days appear at the same time. Selecting **More Info** displays a screen with more detailed information for three days.

- Weather Forecasts are now available for top traveled cities. Previously, SuperTicker displayed forecasts for the local city only.